This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A method for processing magnetic resonance imaging image information wherein a magnetic resonance spectral intensity value is measured at each of a plurality of measuring points that are arranged at predetermined intervals along a lengthwise direction, a crosswise direction and a height direction on ~~an object~~ a bone structure to be measured, comprising

~~and several kinds of~~ obtaining magnetic resonance imaging image information as a set of the magnetic resonance spectral intensity values measured at the measuring point ~~are obtained~~ by ~~a plurality of different~~ two kinds of spectral intensity measuring methods respectively with respect to the ~~object~~ the bone structure to be measured, the spectral intensity measuring methods comprising a magnetic longitudinal relaxation measurement and a magnetic transverse relaxation measurement,

three-dimensionally aligning the magnetic resonance imaging image information obtained by the magnetic longitudinal relaxation measurement with the magnetic resonance imaging image information obtained by the magnetic transverse relaxation measurement and obtaining a spectral intensity value with respect to one of the magnetic resonance imaging image information by the magnetic longitudinal relaxation measurement and the magnetic resonance imaging image information by the magnetic transverse relaxation measurement at the same point as the measuring point used for obtaining another of the magnetic resonance imaging image information by the magnetic longitudinal relaxation measurement and the magnetic resonance imaging image information by the magnetic transverse relaxation measurement by interpolation,

~~a magnetic resonance spectral intensity value at the predetermined position is obtained directly or indirectly from a measured results of the magnetic resonance spectral intensity values that is included in the magnetic resonance imaging image information and the predetermined position is set to be identical for all of the several varieties of magnetic resonance imaging image information with respect to each of the magnetic resonance imaging image information,~~ and

deriving information showing the bone structure as new image information ~~at the predetermined position is derived~~ by linear calculation between the spectral intensity ~~values~~ value obtained by the magnetic longitudinal relaxation measurement and the spectral intensity value obtained by the magnetic transverse relaxation measurement at each of the measuring points.

Claim 2 (canceled)

Claim 3 (canceled)

Claim 4 (currently amended): The method for processing magnetic resonance imaging image information described in claim ~~3~~1 ~~wherein~~ further comprising obtaining magnetic resonance imaging image information by a nuclear density measurement ~~is further obtained~~.

Claim 5 (canceled)

Claim 6 (previously presented): The method for processing magnetic resonance imaging image information in claim 1 wherein the magnetic resonance spectral intensity value is a hydrogen nucleus magnetic resonance spectral intensity value.

Claim 7 (currently amended): The method for processing magnetic resonance imaging image information described in claim 1, ~~wherein a comparison is further made between~~ further comprising comparing the new image information obtained by ~~a~~ the linear calculation of the spectral intensity values at ~~the predetermined position and~~ with each of the measuring points image information obtained by an X-ray computed tomography.

Claim 8 (currently amended): A magnetic resonance imaging system that is used in the method for processing magnetic resonance imaging image information described in claim 1, ~~comprising~~ further functioning ~~at least~~ as an information obtaining portion that obtains magnetic resonance imaging image information from a living body by magnetic longitudinal relaxation

measurement;~~,~~ a first obtained image information storing portion that stores the magnetic resonance imaging image information obtained by the information obtaining portion; ~~a predetermined method,~~ a second obtained image information storing portion that stores magnetic resonance imaging image information obtained from a living body by a ~~method different from the predetermined method~~magnetic transverses relaxation measurement;~~,~~ an interpolating processing portion that three-dimensionally aligns the magnetic resonance imaging image information stored in the first obtained image information storing portion with the magnetic resonance imaging image information stored in the second obtained image information storing portion and that obtains a spectral intensity value with respect to one of the magnetic resonance imaging image information stored in the first obtained image information storing portion and the magnetic resonance imaging image information stored in the second obtained image information storing portion at the same point as a measuring point used for obtaining another of the magnetic resonance imaging image information stored in the first obtained image information storing portion and the magnetic resonance imaging image information stored in the second obtained image information storing portion by interpolation; a linear calculation portion that conducts a linear calculation based on ~~the magnetic resonance imaging image information stored in the first obtained image information storing portion and the magnetic resonance imaging image information stored in the second obtained image information storing portion,~~ respective spectral intensity value at each measuring point; a calculated result image information storing portion that stores information showing a bone structure as new image information as a calculated result of the linear calculation portion and; an image output portion that outputs an image based on the image information stored in the calculated result image information storing portion.

Claim 9 (canceled):

Claim 10 (canceled)

Claim 11 (canceled)

Claim 12 (new): The method for processing magnetic resonance imaging image information described in claim 1, wherein in said interpolating processing step the spectral intensity value with respect to the magnetic resonance imaging image information by the magnetic transverse relaxation measurement is obtained at the same point as the measuring point used for obtaining the magnetic resonance imaging image information by the magnetic longitudinal relaxation measurement by interpolation.

Claim 13 (new): The magnetic resonance imaging system described in claim 8, wherein the interpolating processing portion obtains the spectral intensity value with respect to the magnetic resonance imaging image information stored in the second obtained image information storing portion at the same point as the measuring point used for obtaining the magnetic resonance imaging image information stored in the first obtained image information storing portion by interpolation.

Claim 14 (new): The magnetic resonance imaging system described in claim 8, further comprising a third obtained image information storing portion that stores magnetic resonance imaging image information obtained by a nuclear density measurement.

Claim 15 (new): The magnetic resonance imaging system described in claim 8, wherein the magnetic resonance spectral intensity value is a hydrogen nucleus magnetic resonance spectral intensity value.

Claim 16 (new): The magnetic resonance imaging system described in claim 8, further having a function of comparing between the new image information as the calculated result of the linear calculation portion and image information obtained by an **X**-ray computed tomography.